

Fig. 14 (prior art)

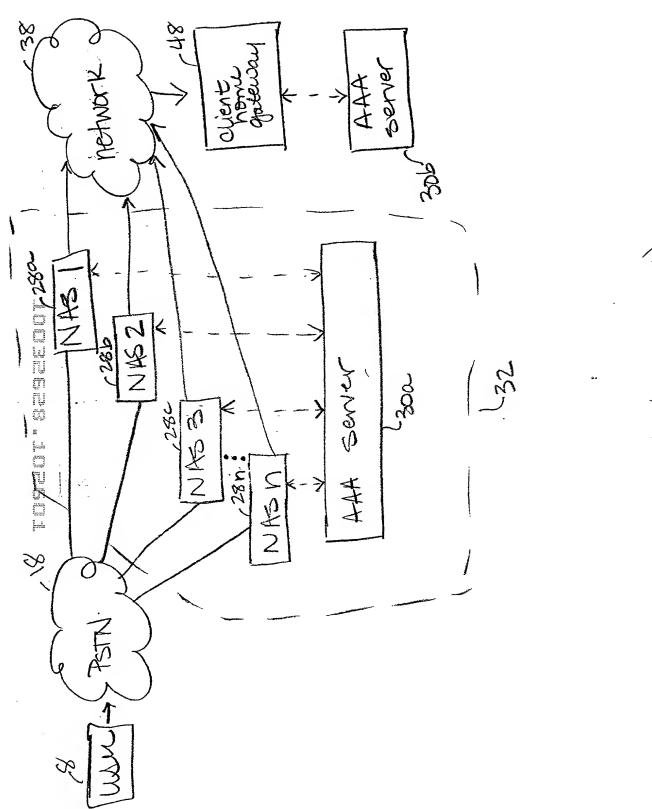
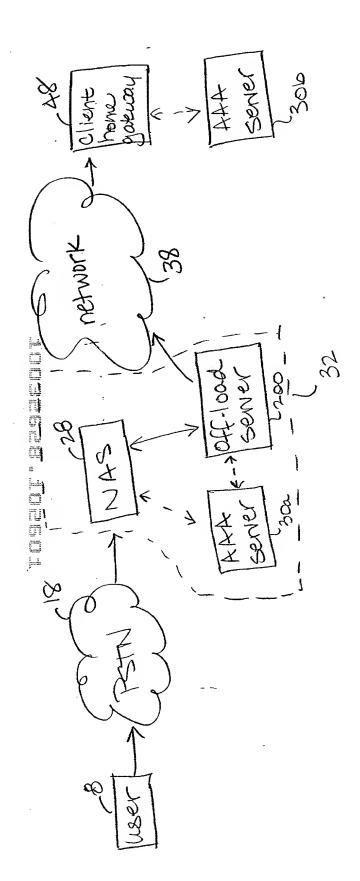


Fig. 18 (Prior art)



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NAS 1

Padius AAA

OFF-LOAD SERVER

1. Call Setup-Perauth.

NAS preauthenticates
the XDXNS (called digits)
to validate called #

Local Sesson Id is chosen (incrementing). (i.e., o1, o2, o3, ...)

Since more than one NAS may be involved, add a unique identified to head of session id so that no two NAS(s) ever use the same Session Id.

So send:

12345 0000000 1 12345 0000000 j 12345 00000003

DNIS (username)
and accepts the call.

Server may keep
reference to call via
Session ld to count
the of users on given

DNIS

xccept

3 call recepted

Oconnects the call to MAS,

- @ layer and layer 2 are established.
- **JUPH** service stateds

Fig. 4A

LZX Scssion states >

L2x Session Staets

- (A) Session begins on Off-load.

 Server, which now authenticates.

 Usersince AAA seever is keeping

 track of session Id.

 We want to poll this session

 Id from the NAS I. This

 Is clone via tunneling protocol
- 6 AMA Server looks up username and enther accepts the rejects the call. Server updates internal into based on Session Id.

Authenticate User

Accept

(b) accounting START is generated using same session id.

upaates session Id

Accounting START

3 Call terminates

(8) Updates Session Id Info. Updates Count for DNIS Info.

Accounting Stop

Fig. 4B